EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	64	((sens$4 adj2 (user or presence or proximity)) same display$4 same activat$5) and (capacit$5 near2 (sens$4)) and @ay<="2005"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 10:22
L2	114	((sens$4 adj2 (user or presence or proximity)) same (display$4 near2 activat$5)) and @ay<="2005"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 10:26
L3	2	2004/0238726	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 10:32
L4	2	"20040238726"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 10:32
L5	88	(time with charge with ((front or common) adj electrode $1)) and display$4 and @ay<="2005"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 10:38
L6	1	"5396443".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 10:54
L7	112	("3922526" | "4409665" | "4649373" | "5065357").PN. OR ("5396443").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 11:00
L8	28	("4978946" | "5305197" | "5377269" | "5396443" | "5408668" | "5504675" | "5548660" | "5615277" | "5666541" | "5669004" | "5675810" | "6002427" | "6111517").PN. OR ("6330676").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 11:05
L9	15	("5266750" | "5324895" | "5384721" | "5396443" | "5416726" | "5423045").PN. OR ("5568409").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 11:12
L10	19	("4370733" | "4787040" | "4972496" | "5329625" | "5396443" | "5423045" | "5524249" | "5548765" | "5553296" | "5568409" | "5777604" | "5790875").PN. OR ("6058485").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 11:14

L11	112	("3922526" | "4409665" | "4649373" | "5065357").PN. OR ("5396443").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 11:26
L13	7	(chong near2 neoh).in.	US-PGPUB; USPAT	OR	OFF	2011/04/08 11:38
L14	639	(display with (off or deactivat$4) with apply$4 with electrode$1)	US-PGPUB; USPAT	OR	OFF	2011/04/08 11:39
L15	140	(display with (off or deactivat$4) with apply$4 with electrode$1) and (proximity or presence or touch)	US-PGPUB; USPAT	OR	OFF	2011/04/08 11:39
L16	0	(electrode near2 (case or housing)) same capacit45	US-PGPUB; USPAT	OR	OFF	2011/04/08 11:47
L17	53707	(electrode near2 (case or housing))	US-PGPUB; USPAT	OR	OFF	2011/04/08 11:48
L18	31623	(electrode near2 (case$1 or casing or housing)) and capacit$5	US-PGPUB; USPAT	OR	OFF	2011/04/08 11:48
L19	6612	(electrode near2 (case$1 or casing or housing)) same capacit$5	US-PGPUB; USPAT	OR	OFF	2011/04/08 11:48
L20	3624	(electrode near2 (case$1 or casing or housing)) with capacit$5	US-PGPUB; USPAT	OR	OFF	2011/04/08 11:48
L21	1032	((electrode near2 (case$1 or casing or housing)) with capacit$5) and display$4	US-PGPUB; USPAT	OR	OFF	2011/04/08 12:02
L22	53	(((electrode near2 (case$1 or casing or housing)) with capacit$5) same (proximity or presence or touch$4)) and display$4	US-PGPUB; USPAT	OR	OFF	2011/04/08 12:03
L23	56	("3207905" | "3322485" | "3757322" | "3971013" | "4017848" | "4078257" | "4112429" | "4121204" | "4186392").PN. OR ("4290061").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 12:06
L24	7	("20040201772" | "20090127003" | "5594222" | "5856646" | "6466036" | "6897390" | "6960790").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 12:34
L25	121	(shar$4 near2 electrod$4) and ((touch$4 or proximit$5 or presence$4) near3 user) and display$4	US-PGPUB; USPAT	OR	OFF	2011/04/08 12:39

L26	39	(shar$4 near2 electrod$4) and ((touch$4 or proximit$5 or presence$4) near3 user) and display$4 and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2011/04/08 12:39
L27	992	(shar$4 near2 ((diplay$4 or front$4 or common$4) adj electrod$4))	US-PGPUB; USPAT	OR	OFF	2011/04/08 12:44
L28	573	(shar$4 near2 ((diplay$4 or front$4 or common$4) adj electrod$4)) and display$4	US-PGPUB; USPAT	OR	OFF	2011/04/08 12:44
L29	313	(shar$4 near2 ((diplay$4 or front$4 or common$4) adj electrod$4)) and display$4 and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2011/04/08 12:44
L30	144	(shar$4 near2 ((diplay$4 or front$4 or common$4) adj electrod$4)) and display$4 and @ay<="2005" and (touch$4 or proximity or presence)	US-PGPUB; USPAT	OR	OFF	2011/04/08 12:57
L31	26	(((CHRISTOPHER) near2 (FRYER)).INV.	US-PGPUB; USPAT	OR	OFF	2011/04/08 13:05
L32	8	(((DUNCAN) near2 (JOHNSTON)).INV.	US-PGPUB; USPAT	OR	OFF	2011/04/08 13:05
L33	26	(((CHRIS$6) near2 (FRYER)).INV.	US-PGPUB; USPAT	OR	OFF	2011/04/08 13:05
L34	33	32 or 33	US-PGPUB; USPAT	OR	OFF	2011/04/08 13:05
L35	1	"5396443".pn.	US-PGPUB; USPAT	OR	OFF	2011/04/08 13:14
L36	1	"5929834".pn.	US-PGPUB; USPAT	OR	OFF	2011/04/08 13:14
L37	10	("4723836" | "4789858" | "5430462" | "5623280" | "5852487").PN. OR ("5929834").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 13:15
L38	66	(activat$4 near2 display$4) with detect$4 with user with (proxim$6 or presence or approach$4 or touch$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 14:30
L39	8	touch with sensor with light with emitting with shar$5	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 14:35
L40	7	("2003/0159910").URPN.	USPAT	OR	OFF	2011/04/08 14:38
L41	1790	(capacitance near2 (body or finger))	USPAT	OR	OFF	2011/04/08 14:40
L42	562	(capacitance near2 (body or finger)) and display$4	USPAT	OR	OFF	2011/04/08 14:52

L43	4261879	(capacitance near2 (body or finger)) and display$4 adn @ay<="2005"	USPAT	OR	OFF	2011/04/08 14:52
L44	459	(capacitance near2 (body or finger)) and display$4 and @ay<="2005"	USPAT	OR	OFF	2011/04/08 14:53
L45	248	((sens$4 or detect$4 or measur$4) with (capacitance near2 (body or finger))) and display$4 and @ay<="2005"	USPAT	OR	OFF	2011/04/08 14:53
L46	403	((sens$4 or detect$4 or measur$4) with (capacitance near2 (body or finger))) and display$4 and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2011/04/08 14:54
L47	251	((sens$4 or detect$4 or measur$4) with (capacitance near2 (body or finger))) and display$4 and @ay<="2005" and electrod$4	US-PGPUB; USPAT	OR	OFF	2011/04/08 14:54
L48	127	(user with activat$4 with (picks adj up))	US-PGPUB; USPAT	OR	OFF	2011/04/08 15:44
L49	476	(user with activat$4 with (pick $3 adj up))	US-PGPUB; USPAT	OR	OFF	2011/04/08 15:44
L50	335	(user with activat$4 with (pick $3 adj up)) and display$4	US-PGPUB; USPAT	OR	OFF	2011/04/08 15:44
L51	60	(user with activat$4 with (pick $3 adj up)) and (display$4 or handheld$4).ab.	US-PGPUB; USPAT	OR	OFF	2011/04/08 15:44
L52	23	(user with activat$4 with (pick $3 adj up)) and (display$4 or handheld$4).ab. and capacit $5	US-PGPUB; USPAT	OR	OFF	2011/04/08 15:45
L53	5	("20050159832" | "20060132595" | "5554980" | "5777605" | "6603420").PN.	US-PGPUB; USPAT	OR	OFF	2011/04/08 15:47
L54	39	("20020021258" | "20020021622" | "20030114200" | "20030157969" | "20040165060" | "4429478" | "4931061" | "4988837" | "5218173" | "5357061" | "5381160" | "5396443" | "5486847" | "5579037" | "5696982" | "5889236" | "5949643" | "6017584" | "6057814" | "6069593" | "6118426" | "6144358" | "6229502" | "6252564" | "6297945" | "6304763" | "6326613" | "6327482" | "6340957" | "6343006" | "6367934" | "6392786" |	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/08 15:50

		"6445574" | "6466202" | "6466292" | "6532447" | "6697083" | "6788292" | "6924791").PN. OR ("7688315").URPN.				
L55	13299	345/76-81,104,173.ccls.	US-PGPUB; USPAT	OR	OFF	2011/04/08 15:54
L56	2843	345/76-81,104,173.ccls. and capacit$5 and display$4 and activat$4	US-PGPUB; USPAT	OR	OFF	2011/04/08 15:55
L57	2148	345/76-81,104,173.ccls. and capacit$5 and display$4 and activat$4 and (proximity or presence or touch$4)	US-PGPUB; USPAT	OR	OFF	2011/04/08 15:56
L58	885	345/76-81,104,173.ccls. and capacit$5 and display$4 and activat$4 and (proximity or presence or touch$4) and electrod$4	US-PGPUB; USPAT	OR	OFF	2011/04/08 15:56
L59	796	345/76-81,104,173.ccls. and capacit$5 and display$4 and activat$4 and (proximity or presence or touch$4) and electrod$4 and (case$4 or hous$4)	US-PGPUB; USPAT	OR	OFF	2011/04/08 15:56
L60	274	345/76-81,104,173.ccls. and capacit$5 and display$4 and activat$4 and (proximity or presence or touch$4) and electrod$4 and (case$4 or hous$4) and user$1 and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2011/04/08 15:56
L61	5	"598156".ap.	US-PGPUB; USPAT	OR	OFF	2011/04/08 16:43
L62	1	"20060052357"	US-PGPUB; USPAT	OR	OFF	2011/04/08 17:29
L63	108	(US-20030189211-$ or US-20090207122-$ or US-20020175657-$ or US-20080036473-$ or US-20060181517-$ or US-20060082545-$ or US-20050219228-$ or US-20050012723-$ or US-20030011579-$ or US-20080158184-$ or US-20100066692-$ or US-20050094038-$ or US-20030067451-$ or US-20030001223-$ or US-20020171610-$ or US-20070063876-$ or US-20060227114-$ or US-20040150629-$ or US-	US-PGPUB; USPAT	OR	OFF	2011/04/08 17:57

20040080267-$ or US-20020186209-$ or US-20030234769-$ or US-20050073324-$ or US-20050005703-$ or US-20020122131-$ or US-20060007249-$ or US-20040108861-$).did. or (US-20020093481-$ or US-20050088185-$ or US-20050077911-$ or US-20090256818-$ or US-20090167718-$ or US-20070216657-$ or US-20070085838-$ or US-20050179668-$ or US-20060012575-$ or US-20050162411-$ or US-20070139301-$ or US-20050017650-$ or US-20050141048-$ or US-20030080755-$ or US-20040019810-$ or US-20050099672-$ or US-20040239342-$ or US-20040238726-$ or US-20080218183-$ or US-20030159910-$ or US-20060161871-$ or US-20060049834-$ or US-20100045633-$ or US-20090160764-$ or US-20050146513-$).did. or (US-5396443-$ or US-5763909-$ or US-4825147-$ or US-6037929-$ or US-6191723-$ or US-6970126-$ or US-5073757-$ or US-6275047-$ or US-5136251-$ or US-5146412-$ or US-7511682-$ or US-6002387-$ or US-7218048-$ or US-5394292-$ or US-5929834-$ or US-7573459-$ or US-7124312-$ or US-6954867-$ or US-7291940-$ or US-4016490-$ or US-6320282-$ or US-6191593-$ or US-5760715-$ or US-5043710-$ or US-4852443-$ or US-5349303-$).did. or (US-5565658-$ or US-7643013-$ or US-4550221-$ or US-4237421-$ or US-7215329-$ or US-4022990-$ or US-4050018-$ or US-3598055-$ or US-7560938-$ or US-6438257-$ or US-5510944-$ or US-5777596-$

		or US-7755615-$ or US-4529968-$ or US-5122787-$ or US-4290061-$ or US-5465091-$ or US-6647133-$ or US-4910504-$ or US-4743895-$ or US-6747641-$ or US-7152172-$ or US-6330676-$ or US-5568409-$ or US-5790875-$ or US-6058485-$ or US-5909382-$).did. or (US-7242323-$ or US-7547119-$ or US-7184581-$ or US-7688315-$).did.				
L64	51	63 and diode$1	US-PGPUB; USPAT	OR	OFF	2011/04/08 17:57
L65	29	64 and electrod$4 and display $4	US-PGPUB; USPAT	OR	OFF	2011/04/08 17:57
L66	1	"5266550".pn.	US-PGPUB; USPAT	OR	OFF	2011/04/08 18:01
S1	18	("5396443" | "5929834").PN. or ("20030189211" | "3646372" | "3725808" | "4001613" | "4002923" | "4125783" | "4159473" | "4208695" | "4233522" | "4352141" | "4410843" | "4743895" | "4796013" | "4910504" | "5081406" | "5394292").PN.	US-PGPUB; USPAT	OR	OFF	2009/10/07 12:40
S2	4418	display$4 and (automatic with activation)	US-PGPUB; USPAT	OR	OFF	2009/10/07 12:53
S3	191	display$4 and (automatic with activation) and ((presence or proximity) near3 user$1)	US-PGPUB; USPAT	OR	OFF	2009/10/07 12:53
S4	87	display$4 and (automatic with activation) and ((presence or proximity) near3 user$1) and capacit$5	US-PGPUB; USPAT	OR	OFF	2009/10/07 12:53
S5	27646	((detect$4 or sens$4) with time$1 with charg$5)	US-PGPUB; USPAT	OR	OFF	2009/10/07 12:56
S6	996	((detect$4 or sens$4) with time$1 with charg$5) and (charg$5 with rates)	US-PGPUB; USPAT	OR	OFF	2009/10/07 12:56
S7	479	((detect$4 or sens$4) with time$1 with charg$5) and (charg$5 with rates) and threshold$4	US-PGPUB; USPAT	OR	OFF	2009/10/07 12:56
S8	408	((detect$4 or sens$4) with time$1 with charg$5) and (charg$5 with rates) and threshold$4 and capacit$5	US-PGPUB; USPAT	OR	OFF	2009/10/07 12:56

S9	164	((detect$4 or sens$4) with time$1 with charg$5) and (charg$5 with rates) and threshold$4 and capacit$5 and feedback	US-PGPUB; USPAT	OR	OFF	2009/10/07 12:57
S10	84	((detect$4 or sens$4) with time$1 with charg$5) and (charg$5 with rates) and threshold$4 and capacit$5 and feedback and (presence or proximity or touch)	US-PGPUB; USPAT	OR	OFF	2009/10/07 13:05
S11	22	("20040252109" | "20060066582" | "20060097991" | "4103252" | "4736191" | "5305017" | "5543590" | "5943052" | "6037929" | "6188391" | "6262717" | "6380931" | "6498720" | "6574095" | "6704005").PN. or ("20070296709" | "4193063" | "4825147" | "6191723" | "6366099" | "6970126").PN. or ("20080179112").PN.	US-PGPUB; USPAT	OR	OFF	2009/10/07 13:34
S12	4	"598156".ap.	US-PGPUB; USPAT	OR	OFF	2009/10/07 13:48
S13	13	("3824459" | "4001676" | "4429271").PN. OR ("4825147").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/07 13:52
S14	17	("4853719" | "5073757" | "5136251" | "5146412" | "5450014" | "5646539" | "5694051").PN. OR ("6191723").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/07 13:53
S15	1	"5073757".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/07 13:55
S16	1	"5136251".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/07 13:58
S17	1	"5321403".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/07 13:59
S18	8527	((measur$4 or detect$4 or sens$4) with time with charg$4 with capacit$5)	US-PGPUB; USPAT	OR	OFF	2009/10/07 14:31
S19	1823	((measur$4 or detect$4 or sens$4) with time with charg$4 with capacit$5) and (threshold adj voltage$1)	US-PGPUB; USPAT	OR	OFF	2009/10/07 14:32

S20	29	((measur$4 or detect$4 or sens$4) with time with charg $4 with capacit$5) and (threshold adj voltage$1) and (((second or dual) adj slope $1) or dual$1slope$1)	US-PGPUB; USPAT	OR	OFF	2009/10/07 14:33
S21	10	((measur$4 or detect$4 or sens$4) with time with charg $4 with capacit$5 with threshold) and (((second or dual) adj slope$1) or dual $1slope$1)	US-PGPUB; USPAT	OR	OFF	2009/10/07 14:36
S22	550	((measur$4 or detect$4 or sens$4) with time with charg $4 with capacit$5 with threshold)	US-PGPUB; USPAT	OR	OFF	2009/10/07 14:36
S23	433	((measur$4 or detect$4 or sens$4) with time with charg $4 with capacit$5 with threshold) and @ay<="2004"	US-PGPUB; USPAT	OR	OFF	2009/10/07 14:37
S24	233	((measur$4 or detect$4 or sens$4) with time with charg $4 with capacit$5 with threshold) and @ay<="2004" and (fast or steep or slow$4)	US-PGPUB; USPAT	OR	OFF	2009/10/07 14:37
S25	2143	(capacit$5 near2 (sens$4 or detect$4 or measur$4)).ti.	US-PGPUB; USPAT	OR	OFF	2009/10/07 14:43
S26	758	(capacit$5 near2 (sens$4 or detect$4 or measur$4)).ti. and (slop$4 or rate$4)	US-PGPUB; USPAT	OR	OFF	2009/10/07 14:44
S27	22	("20040252109" | "20060066582" | "20060097991" | "20070296709" | "20080179112" | "4103252" | "4193063" | "4736191" | "4825147" | "5305017" | "5543590" | "5943052" | "6037929" | "6188391" | "6191723" | "6262717" | "6366099" | "6380931" | "6498720" | "6574095" | "6704005" | "6970126").PN.	US-PGPUB; USPAT	OR	OFF	2010/01/12 14:22
S28	14	(US-20030189211-$ or US-20090207122-$ or US-20020175657-$ or US-20080036473-$).did. or (US-5396443-$ or US-5763909-$ or US-4825147-$ or US-6037929-$ or US-6191723-$ or US-6970126-$ or US-5073757-$ or US-6275047-$ or US-5136251-$ or US-5146412-$).did.	US-PGPUB; USPAT	OR	OFF	2010/01/12 14:35

S29	0	S28 and (front adj electrode)	USPAT	OR	OFF	2010/01/12 14:35
S30	103	"5396443"	USPAT	OR	OFF	2010/01/12 14:37
S31	1	"5396443".pn.	USPAT	OR	OFF	2010/01/12 14:37
S32	429	(display$4).ab. and ((activat$4 or power$5) with (touch$4 or presence$1 or proximity)) and (capacit$6 adj (sens$4 or detect$4))	US-PGPUB; USPAT	OR	OFF	2010/03/30 20:31
S33	219	(display$4).ab. and ((activat$4 or power$5) with (touch$4 or presence$1 or proximity)) and (capacit$6 adj (sens$4 or detect$4)) and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2010/03/30 20:44
S34	85	(display$4).ab. and ((activat$4 or power$5) with (touch$4 or presence$1 or proximity) with display) and (capacit$6 adj (sens$4 or detect$4)) and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2010/03/30 20:47
S35	6806	"345".clas. and (touch adj screen)	US-PGPUB; USPAT	OR	OFF	2010/04/01 10:21
S36	77	"345".clas. and (touch adj screen) and diode and (capacit$5 adj sensor)	US-PGPUB; USPAT	OR	OFF	2010/04/01 10:21
S37	190	"345".clas. and (touch adj screen) and diode and (capacit$5 adj touch$4)	US-PGPUB; USPAT	OR	OFF	2010/04/01 10:27
S38	76	"345".clas. and (touch adj screen) and diode and (capacit$5 adj touch$4) and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2010/04/01 10:28
S39	796	"345".clas. and (touch adj screen) and diode$1 and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2010/04/01 10:29
S40	196	"345".clas. and (touch adj screen) and diode$1 and @ay<="2005" and (oled or electroluminescent)	US-PGPUB; USPAT	OR	OFF	2010/04/01 10:29
S41	196	"345".clas. and (touch adj screen) and diode$1 and @ay<="2005" and (oled or amoled or electroluminescent)	US-PGPUB; USPAT	OR	OFF	2010/04/01 10:36
S42	312	"345".clas. and (touch adj screen) and @ay<="2005" and (oled or amoled or electroluminescent)	US-PGPUB; USPAT	OR	OFF	2010/04/01 10:36

S43	1	"5929834".pn.	US-PGPUB; USPAT	OR	OFF	2010/04/01 10:41
S44	5	("4723836" | "4789858" | "5430462" | "5623280" | "5852487").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 10:44
S45	10	("4723836" | "4789858" | "5430462" | "5623280" | "5852487").PN. OR ("5929834").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 10:44
S46	0	(capacit$6 with (touch adj screen)) and ((front or common) adj eletrode$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 10:53
S47	0	(capacit$6 and (touch adj screen)) and ((front or common) adj eletrode$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 10:53
S48	93	(capacit$6 with (touch adj screen)) and ((front or common) adj electrode$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 10:53
S49	3	("20030179323" | "7084848" | "7280167").PN. OR ("7573459").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 10:59
S50	8	"598156"	US-PGPUB; USPAT	OR	OFF	2010/04/01 12:25
S51	1	"5396773".pn.	US-PGPUB; USPAT	OR	OFF	2010/04/01 12:27
S52	1	"5396443".pn.	US-PGPUB; USPAT	OR	OFF	2010/04/01 12:27
S53	107	("3922526" | "4409665" | "4649373" | "5065357").PN. OR ("5396443").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 12:28
S54	22	(capacitive adj sensor) same diode same ground$4	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 12:34
S55	31	((capacitive adj sensor) same touch$4) and (diode same ground$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 12:37
S56	113	("3039051" | "3046479" | "3515987" | "3727113" | "3728501" | "3811087" | "3826979").PN. OR ("4016490").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 12:44
S57	1301	Electroluminescent and (touch adj screen)	US-PGPUB; USPAT	OR	OFF	2010/04/01 13:22
S58	43	Electroluminescent and (touch adj screen) and "345". clas. and (capacitive adj touch)	US-PGPUB; USPAT	OR	OFF	2010/04/01 13:23
S59	1487	((touch or proximity) adj sensor) and (electrode$1 and diode$1 andground$2)	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:11

S60	886	((touch or proximity) adj sensor) and (electrode$1 and diode$1 andground$2) and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:11
S61	484	((touch or proximity) adj sensor) and (electrode$1 and diode$1 and ground$2) and capacit$6 and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:12
S62	105	((touch or proximity) adj sensor) and (electrode$1 and diode$1 and ground$2) and capacit$6 and @ay<="2005" and "345".clas.	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:12
S63	17724	(capacitor$1 with (display$1 or pixel$1) with electrode$1)	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:16
S64	187	(capacitor$1 with (display$1 or pixel$1) with electrode$1 with shar$4)	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:16
S65	110	(capacitor$1 with (display$1 or pixel$1) with electrode$1 with shar$4) and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:17
S66	8	(capacitor$1 with (display$1 or pixel$1) with electrode$1 with shar$4) and @ay<="2005" and touch$5	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:18
S67	839	(capacit$6 adj touch adj (screen or panel or display))	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:23
S68	323	(capacit$6 adj touch adj (screen or panel or display)) and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:23
S69	297	(capacit$6 adj touch adj (screen or panel or display)) and @ay<="2005" and display$4	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:23
S70	24	(capacit$6 adj touch adj (screen or panel or display)) and @ay<="2005" and display$4 and oled	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:32
S71	114	(capacit$6 adj touch adj (screen or panel or display)) and @ay<="2005" and display$4 and ground$4	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:34
S72	294	(capacit$6 near3 pressure near3 sensor$1) and @ay<="2005" and display$4 and ground$4	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:38
S73	73	(capacit$6 near3 pressure near3 sensor$1) and @ay<="2005" and display$4 and ground$4 and (measure $1 near2 capacitance)	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:38

S74	11	(capacit$6 near3 pressure near3 sensor$1) and @ay< ="2005" and display$4 and ground$4 and (measure$1 near2 capacitance) and diode$1	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:44
S75	213	(capacit$6 adj sens$4) and (measur$4 near3 time near3 charg$4)	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:47
S76	85	(capacit$6 adj sens$4) and (measur$4 near3 time near3 charg$4) and @ay< ="2004"	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:48
S77	56	(capacit$6 adj sens$4) and (measur$4 near3 time near3 charg$4) and @ay< ="2004" and diode$1	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:48
S78	2	("2006/0007249").URPN.	USPAT	OR	OFF	2010/04/01 14:54
S79	712	(capacit$6 adj sens$4) and (measur$4 near3 capacitance) and @ay< ="2004" and diode$1	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:56
S80	123	(capacit$6 adj sens$4) and (measur$4 near3 capacitance) and (ground$4 near3 electrode$1) and @ay< ="2004" and diode$1	US-PGPUB; USPAT	OR	OFF	2010/04/01 14:56
S81	67	(measur$4 near3 capacitance) same distance same touch$4	US-PGPUB; USPAT	OR	OFF	2010/04/01 15:07
S82	9	("20040119701" | "20080006453" | "4745241" | "5565658" | "5757363" | "5869790" | "6819316" | "6825890" | "7030860").PN.	US-PGPUB; USPAT	OR	OFF	2010/04/01 15:07
S83	101	(steve near2 hotelling).in.	US-PGPUB; USPAT	OR	OFF	2010/04/01 15:08
S84	482	"9653"	US-PGPUB; USPAT	OR	OFF	2010/04/01 15:08
S85	1	"5349303".pn.	US-PGPUB; USPAT	OR	OFF	2010/04/01 15:16
S86	68	("4237421" | "4371746" | "4476463" | "4845682" | "5053757" | "5305017").PN. OR ("5565658").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 15:18
S87	11	("20040022010" | "4743895" | "5305017" | "5565658" | "5801340" | "5867111" | "6184872" | "6222528" | "6262717" | "6680731" | "7218314").PN. OR ("7643013").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 15:21

S88	1	"4550221".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 15:22
S89	192	("3256386" | "3263126" | "3292489" | "3382588" | "3482241" | "3492440" | "3497966" | "3516176" | "3519105" | "3522664" | "3591749" | "3696409" | "3732389" | "3921166" | "3974332" | "4056699" | "4264903" | "4281323" | "4290061" | "4310839" | "4334219" | "4455452" | "Re23030").PN. OR ("4550221").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/01 15:25
S90	191	(capacit$6 adj sensor) same (ground$4 near2 electrode $1)	US-PGPUB; USPAT	OR	OFF	2010/04/01 15:29
S91	135	((capacit$6 adj sensor) same (ground$4 near2 electrode $1)) and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2010/04/01 15:29
S92	59	(US-20030189211-$ or US-20090207122-$ or US-20020175657-$ or US-20080036473-$ or US-20060181517-$ or US-20060082545-$ or US-20050219228-$ or US-20050012723-$ or US-20030011579-$ or US-20080158184-$ or US-20100066692-$ or US-20050094038-$ or US-20030067451-$ or US-20030001223-$ or US-20020171610-$ or US-20070063876-$ or US-20060227114-$ or US-20040150629-$ or US-20040080267-$ or US-20020186209-$ or US-20030234769-$ or US-20050073324-$ or US-20050005703-$ or US-20020122131-$ or US-20060007249-$ or US-20040108861-$).did. or (US-20020093481-$ or US-20050088185-$ or US-20050077911-$).did. or (US-5396443-$ or US-5763909-$ or US-4825147-$ or US-6037929-$ or US-6191723-$ or US-6970126-$ or US-5073757-$ or US-6275047-$	US-PGPUB; USPAT	OR	OFF	2010/04/05 10:58

		or US-5136251-$ or US-5146412-$ or US-7511682-$ or US-6002387-$ or US-7218048-$ or US-5394292-$ or US-5929834-$ or US-7573459-$ or US-7124312-$ or US-6954867-$ or US-7291940-$ or US-4016490-$ or US-6320282-$ or US-6191593-$ or US-5760715-$ or US-5043710-$ or US-4852443-$ or US-5349303-$). did. or (US-5565658-$ or US-7643013-$ or US-4550221-$ or US-4237421-$).did.				
S93	29	S92 and diode$1	US-PGPUB; USPAT	OR	OFF	2010/04/05 11:06
S94	24	((CHRISTOPHER) near2 (FRYER)).INV.	US-PGPUB; USPAT	OR	OFF	2010/04/05 13:41
S95	8	((DUNCAN) near2 (JOHNSTON)).INV.	US-PGPUB; USPAT	OR	OFF	2010/04/05 13:41
S96	31	S94 or S95	US-PGPUB; USPAT	OR	OFF	2010/04/05 13:41
S97	4036	345/76-81.ccls.	US-PGPUB; USPAT	OR	OFF	2010/04/05 13:45
S98	10528	345/76-81,104,173.ccls.	US-PGPUB; USPAT	OR	OFF	2010/04/05 13:46
S99	2497	345/76-81,104,173.ccls. and diode$1 and electrod$2	US-PGPUB; USPAT	OR	OFF	2010/04/05 13:47
S100	12	345/76-81,104,173.ccls. and diode$1 and electrod$2 and touch$4 and (shar$4 near2 electrode$1)	US-PGPUB; USPAT	OR	OFF	2010/04/05 13:47
S101	1	"5929834".pn.	US-PGPUB; USPAT	OR	OFF	2010/05/12 10:59
S102	1	"5565658".pn.	US-PGPUB; USPAT	OR	OFF	2010/05/12 11:00
S103	1	"20030001223"	US-PGPUB; USPAT	OR	OFF	2010/05/12 11:01
S104	10435	(capacit$5 with touch)	US-PGPUB; USPAT	OR	OFF	2010/08/07 15:52
S105	2286	(capacit$5 with touch with display$4)	US-PGPUB; USPAT	OR	OFF	2010/08/07 15:53
S106	14	(capacit$5 with touch with display$4) and (shar$4 near2 electrod$4)	US-PGPUB; USPAT	OR	OFF	2010/08/07 15:53
S107	2047	(capacit$5 with sens$4 with protect$4)	US-PGPUB; USPAT	OR	OFF	2010/08/07 16:00
S108	250	(capacit$5 with sens$4 with protect$4 with diode$3)	US-PGPUB; USPAT	OR	OFF	2010/08/07 16:01

S109	160	(capacit$5 with sens$4 with protect$4 with diode$3) and @ay< ="2004"	US-PGPUB; USPAT	OR	OFF	2010/08/07 16:01
S110	219	(capacit$5 near2 (sens$4 or detect$4 or measur$4)) with protect$5 with voltag$4	US-PGPUB; USPAT	OR	OFF	2010/08/09 12:40
S111	32	((capacit$5 adj (sens$4 or detect$4 or measur$4)) with protect$5 with voltag$4) and @ay< ="2004"	US-PGPUB; USPAT	OR	OFF	2010/08/09 12:40
S112	27	("5366908" | "5757278" | "5862248" | "5956415" | "5963679" | "5973623" | "5991467" | "6002786" | "6011859" | "6060756" | "6114862" | "6248655" | "6438257" | "6440814" | "6518083" | "6555888" | "6628812").PN. OR ("6714666").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/09 13:08
S113	24	("4353056" | "5325442" | "5778089" | "5828773" | "5982608" | "6049620").PN. OR ("6438257").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/09 13:30
S114	2026	((capacit$5 adj (sens$4 or detect$4 or measur$4))) same ((sens$4 or detect$4 or measur$4) near2 presence)	US-PGPUB; USPAT	OR	OFF	2010/08/09 13:59
S115	1167	((capacit$5 adj (sens$4 or detect$4 or measur$4))) with ((sens$4 or detect$4 or measur$4) near2 presence)	US-PGPUB; USPAT	OR	OFF	2010/08/09 13:59
S116	160	((capacit$5 adj (sens$4 or detect$4 or measur$4))) same ((sens$4 or detect$4 or measur$4) near2 presence near2 user)	US-PGPUB; USPAT	OR	OFF	2010/08/09 13:59
S117	64	((capacit$5 adj (sens$4 or detect$4 or measur$4))) same ((sens$4 or detect$4 or measur$4) near2 presence near2 user) and @ay< ="2004"	US-PGPUB; USPAT	OR	OFF	2010/08/09 13:59
S118	1	"5900875".pn.	US-PGPUB; USPAT	OR	OFF	2010/08/09 14:21
S119	0	"10511291"	US-PGPUB; USPAT	OR	OFF	2010/08/09 14:25
S120	0	"511291".pn.	US-PGPUB; USPAT	OR	OFF	2010/08/09 14:25
S121	5	"511291".ap.	US-PGPUB; USPAT	OR	OFF	2010/08/09 14:25

S122	3	("20010024946" | "20030048262" | "6952597").PN.	US-PGPUB; USPAT	OR	OFF	2010/08/09 14:26
S123	0	(10/511291).APP.	USPAT; USOCR	OR	OFF	2010/08/09 14:27
S124	0	("2005/0179668").URPN.	USPAT	OR	OFF	2010/08/09 14:27
S125	1733	DISPLAY and (shar$4 near3 electrod$3)	USPAT	OR	OFF	2010/08/09 14:29
S126	1102	DISPLAY and (shar$4 near3 electrod$3) and (touch$4 or sens$4 or proximity$4 or presence)	USPAT	OR	OFF	2010/08/09 14:29
S127	192	DISPLAY and (shar$4 near3 electrod$3) and (touch$4 or sens$4 or proximity$4 or presence) and "345".clas.	USPAT	OR	OFF	2010/08/09 14:29
S128	190	DISPLAY and (shar$4 near3 electrod$3) and (touch$4 or sens$4 or proximity$4 or presence) and "345".clas. and @ay<="2006"	USPAT	OR	OFF	2010/08/09 14:29
S129	17	DISPLAY and ((shar$4 near3 electrod$3) same (touch$4 or sens$4 or proximity$4 or presence)) and "345".clas. and @ay<="2006"	USPAT	OR	OFF	2010/08/09 14:30
S130	31	DISPLAY and ((shar$4 near3 electrod$3) same (touch$4 or sens$4 or proximity$4 or presence)) and "345".clas. and @ay<="2006"	US-PGPUB; USPAT	OR	OFF	2010/08/09 14:30
S131	0	"538278".pn.	US-PGPUB; USPAT	OR	OFF	2010/08/09 14:36
S132	5	"538278".ap.	US-PGPUB; USPAT	OR	OFF	2010/08/09 14:36
S133	4	("20020167472" | "20020181648" | "5777596" | "6466191").PN.	US-PGPUB; USPAT	OR	OFF	2010/08/09 14:36
S134	21	("4224615" | "4363029" | "4529968" | "4736191" | "5043710" | "5194862" | "5267066" | "5451724" | "5457289" | "5459463" | "5495077" | "5500937" | "5510813" | "5528266").PN. OR ("5777596").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/09 15:23

S135	12	("20030551927" | "20050122284" | "20050162410" | "20050162411" | "20050280635" | "5606346" | "5777596" | "5894304" | "6788282" | "6822640" | "6842170" | "6940484" | "7545343").PN. OR ("7755615").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/09 15:57
S136	52	("3207905" | "3322485" | "3757322" | "3971013" | "4017848" | "4078257" | "4112429" | "4121204" | "4186392").PN. OR ("4290061").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/09 16:11
S137	31	(activat$4 near2 display$4) with (touch$4 near2 (case or casing or hous$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/09 16:34
S138	0	(((turn$4 near2 on) near2 display$4) with (touch$4 near2 (case or casing or hous$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/09 16:36
S139	4	(activat$4 near2 display$4) with (touch$4 near2 (hous$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/09 16:37
S140	25	(((CHRISTOPHER) near2 (FRYER)).INV.	US-PGPUB; USPAT	OR	OFF	2010/08/09 16:37
S141	8	(((DUNCAN) near2 (JOHNSTON)).INV.	US-PGPUB; USPAT	OR	OFF	2010/08/09 16:37
S142	32	S140 or S141	US-PGPUB; USPAT	OR	OFF	2010/08/09 16:37
S143	31	(turn$1 near3 display$4) with (pick$1 near2 up)	US-PGPUB; USPAT	OR	OFF	2010/08/09 16:58
S144	579	(presence$2 or proximity$4) near3 activat$4 near2 devic$4	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:00
S145	410	((presence$2 or proximity$4) near3 activat$4 near2 devic$4) and @ay<="2005"	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:01
S146	159	((presence$2 or proximity$4) near3 activat$4 near2 devic$4) and @ay<="2005" and capacit$5	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:01
S147	21	(((presence$2 or proximity$4) near3 activat$4 near2 devic$4) with user$1) and @ay<="2005" and capacit$5	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:01
S148	5	(((presence$2 or proximity$4) near3 activat$4 near2 display$4) with user$1) and @ay<="2005" and capacit$5	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:02

S149	3949	either with touch$4 with display$4	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:03
S150	516	(either with touch$4 with display$4) and 345/76-81,104,173.ccls.	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:04
S151	252	(either with touch$4 with display$4) and 345/76-81,104,173.ccls. and @ay< ="2005"	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:04
S152	0	(either with touch$4 with display$4) and 345/76-81,104,173.ccls. and @ay< ="2005" and cpacit$5	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:04
S153	116	(either with touch$4 with display$4) and 345/76-81,104,173.ccls. and @ay< ="2005" and capacit$5	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:04
S154	3688	display$4 and touch$4 and capacit$4 and (time$1 near2 charg$4)	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:07
S155	2621	display$4 and touch$4 and capacit$4 and (time$1 near2 charg$4) and (diod$4 or protect$4)	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:08
S156	356	display$4 and touch$4 and capacit$4 and (time$1 near2 charg$4) and (diod$4 or protect$4) and "345".clas.	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:08
S157	174	display$4 and touch$4 and capacit$4 and (time$1 near2 charg$4) and (diod$4 or protect$4) and "345".clas. and @ay< ="2004"	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:08
S158	18	display$4 and touch$4 and capacit$4 and ((time$1 near2 charg$4) near4 (measur$4 or detect$4 or sens$4)) and (diod$4 or protect$4) and "345".clas. and @ay< ="2004"	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:08
S159	116	display$4 and touch$4 and capacit$4 and ((time$1 near2 charg$4) near4 (measur$4 or detect$4 or sens$4)) and (diod$4 or protect$4) and @ay< ="2004"	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:12
S160	98	display$4 and touch$4 and capacit$4 and ((time$1 near2 charg$4) near4 (measur$4 or detect$4 or sens$4)) and (diod$4 or protect$4) and @ay< ="2004" not S158	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:13

S161	4	"5465091".pn. or "20030080755" or "20060052357" or "20040019810"	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:44
S162	9	"283098".ap.	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:46
S163	16	("2003/0080755").URPN.	USPAT	OR	OFF	2010/08/09 17:47
S164	16	("2782308" | "2873637" | "4233522" | "4550310").PN. OR ("5465091").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/09 17:54
S165	1	"20040052357"	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:58
S166	1	"20030052357"	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:58
S167	1	"20020052357"	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:58
S168	2	"20050052357"	US-PGPUB; USPAT	OR	OFF	2010/08/09 17:58
S169	3	"20030189211" or "4743895".pn. or "4910504".pn.	US-PGPUB; USPAT	OR	OFF	2010/08/09 18:15
S170	0	"42900061".pn.	US-PGPUB; USPAT	OR	OFF	2010/08/09 19:01
S171	1	"4290061".pn.	US-PGPUB; USPAT	OR	OFF	2010/08/09 19:01
S172	1	"20050179668"	US-PGPUB; USPAT	OR	OFF	2010/08/09 19:02
S173	1	"5465091".pn.	US-PGPUB; USPAT	OR	OFF	2010/08/09 19:02
S174	1	"6714666".pn.	US-PGPUB; USPAT	OR	OFF	2010/08/09 19:05
S175	1	"20060052357"	US-PGPUB; USPAT	OR	OFF	2010/08/10 11:16
S176	5	"598156".ap.	US-PGPUB; USPAT	OR	OFF	2010/08/10 11:21
S177	2278	(capacit$5 near2 (sens$4 or detect$4 or measur$4)) and ((common or front) adj electrod$4)	US-PGPUB; USPAT	OR	OFF	2011/04/07 18:35
S178	1209	(capacit$5 near2 (sens$4 or detect$4 or measur$4)) and ((common or front) adj electrod$4) and display$4	US-PGPUB; USPAT	OR	OFF	2011/04/07 18:36
S179	241	((capacit$5 near2 (sens$4 or detect$4 or measur$4)) same ((common or front) adj electrod$4)) and display$4	US-PGPUB; USPAT	OR	OFF	2011/04/07 18:36

S180	115	((capacit$5 near2 (sens$4 or detect$4 or measur$4)) same ((common or front) adj electrod$4)) and display$4 and @ay<="2004"	US-PGPUB; USPAT	OR	OFF	2011/04/07 18:36
S181	67	("3585381" | "3756693" | "3972040" | "4218302" | "4789858" | "5174882" | "5194852" | "5627561" | "5930026" | "5961804" | "6017584" | "6045955" | "6051957" | "6067185" | "6118426" | "6120588" | "6120839" | "6262706" | "6262833" | "6300932" | "6392786" | "6445489" | "6504524" | "6512354" | "6515649" | "6518949" | "6531997" | "6538801" | "6671081" | "6738050").PN. OR ("6995550").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/07 18:44
S182	6633	(sens$4 adj2 user) same display$4	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/07 18:49
S183	874	((sens$4 adj2 user) same display$4) and (capacit$5 near2 (sens$4 or detect$4 or measur$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/07 18:50
S184	102	((sens$4 adj2 user) same display$4 same activat$5) and (capacit$5 near2 (sens$4 or detect$4 or measur$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/07 18:50
S185	42	((sens$4 adj2 user) same display$4 same activat$5) and (capacit$5 near2 (sens$4 or detect$4 or measur$4)) and @ay<="2005"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/07 18:50

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